

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
30 October 2003 (30.10.2003)

PCT

(10) International Publication Number  
WO 03/089215 A1(51) International Patent Classification<sup>7</sup>: B29C 33/40,  
45/00

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(21) International Application Number: PCT/US03/10219

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(22) International Filing Date: 4 April 2003 (04.04.2003)

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

(26) Publication Language: English

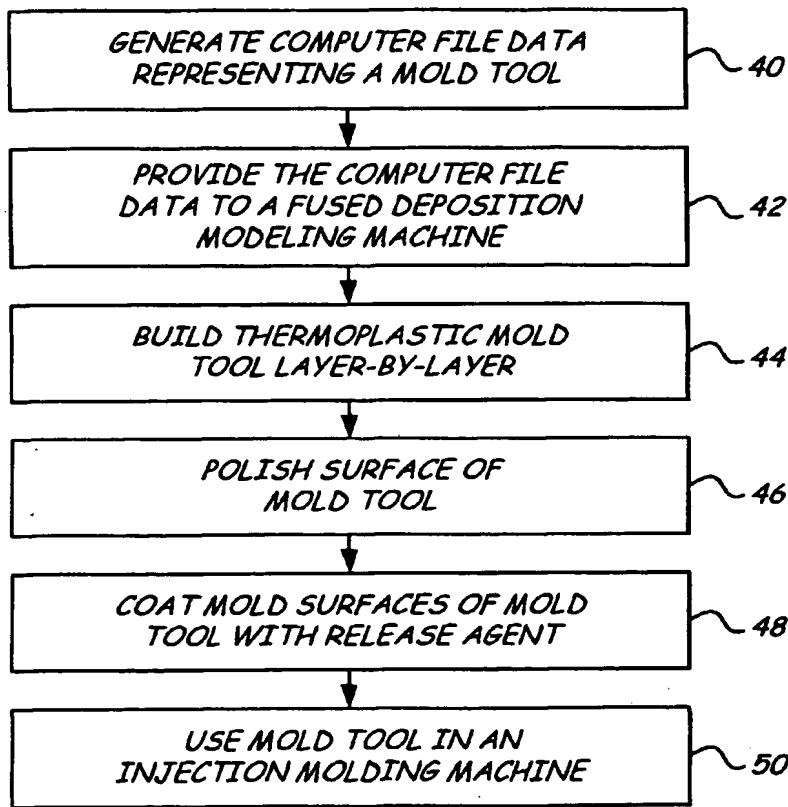
[Continued on next page]

(30) Priority Data:  
60/373,236 17 April 2002 (17.04.2002) US

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(54) Title: LAYERED DEPOSITION BRIDGE TOOLING



(57) **Abstract:** Disclosed is a method for making a prototype plastic injection molded part from a mold tool (10) built by fused deposition modeling. The mold tool (10) is built by depositing roads of a molten thermoplastic resin in layers in a predetermined pattern defined by computer file data representing the inverse of the desired prototype molded part, and is used in an injection molding machine without the addition of any reinforcement fill material or layers to create the prototype part. The disclosed method provides prototype plastic injection molded parts within a twenty-four hour time period.

WO 03/089215 A1



ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

**Published:**

— with international search report

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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US03/10219

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : B29C 33/40, 45/00  
US CL : 264/219, 317, 401

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 264/154, 162, 219, 317, 338, 401

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,189,781 A (WEISS ET AL.) 02 MARCH 1993	
Y	US 5,591,563 A (SUZUKI ET AL.) 07 JANUARY 1997, col. 13, lines 11-22	17-19
Y	US 5,952,018 A (BELDUE ET AL.) 14 SEPTEMBER 1999, the entire document	1-19
A	US 6,001,298 A (McAloon) 14 DECEMBER 1999	

Further documents are listed in the continuation of Box C.

See patent family annex.

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"&" document member of the same patent family

Date of the actual completion of the international search

26 June 2003 (26.06.2003)

Date of mailing of the international search report

19 AUG 2003

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